

TOWN OF SIMSBURY
DEPARTMENT OF PUBLIC WORKS
INVITATION TO BID
FOR
PORTABLE ASPHALT RECYCLING MACHINE

Sealed bids will be received at the Office of the Director Finance, PO Box 495, 933 Hopmeadow Street, Simsbury, CT 06070, until July 31, 2013 at 10:00 am. Bids received after time set for the opening will be rejected.

Specifications and forms of proposals on which bids must be submitted may be obtained from the Town's web site, under the Finance Department, under the heading of Bids and RFP's or at the following link <http://www.simsbury-ct.gov/finance/pages/public-bids-and-rfp> . Each prospective bidder is responsible for checking this web site for any addendums regarding this invitation to bid. No addendums will be issued less than three days prior to the bid opening.

The right is reserved to reject any or all bids, or to waive defects in same, if it be deemed in the best interest of the Town of Simsbury.

Thomas J. Roy
Director of Public Works
Town of Simsbury

TJR/pl

SPECIFICATIONS
PORTABLE ASPHALT RECYCLING MACHINE
TOWN OF SIMSBURY

GENERAL:

The equipment specified herein is intended for use by the Simsbury Highway Department, and is intended for heavy industrial use. The equipment must be trailer mounted and capable of producing a high quality recycled homogeneous asphalt product from millings, curbing or chunks of asphalt commonly available to the Town. The equipment proposed must be from a current production model at the time of bid, as evidenced by the manufacturers published literature.

All proposed equipment must meet the specifications provided below as well as the general intent of this Invitation to Bid, i.e. complete, functioning unit, capable of recycling asphalt for use in roadway projects.

If a prospective bidder intends to submit an alternative piece of equipment, or equipment that does not fully meet these specifications, this must be clearly listed on the bid form. The Town reserves the right to accept bids for equipment that has minor deviations from the specifications, solely at its own discretion.

PERFORMANCE:

The asphalt recycling equipment must be able to produce 3-tons per hour of hot recycled asphalt from millings, curbing, or chunk asphalt (up to 12”), with an operating temperature range of 280° – 360° F. Asphalt must be uniform and mixed by the equipment (no hand mixing). Unit must allow for the addition of liquid asphalt and asphalt shingles to improve the mix quality.

CONTROLS:

Unit is to be equipped with:

- hour meter
- volt meter
- pressure gauge
- emergency stop

OPERATION:

Loading	Unit is to be equipped with a top opening hopper with a minimum 16 sf opening, configured for easy loading with a bucket loader.
Dumping	Unit shall have a powered dumping feature capable of offloading the full contents of the drum.

ENGINE/MECHANICAL:

The engine must be a liquid cooled EPA Tier 4 diesel engine with 21.6 BHP @ 3200 RPM with not less than 890 cc displacement, electric start and a common fuel tank with a minimum capacity of 75 gallons.

Hydraulics:

Unit must have full hydraulic controls for all critical functions: drum rotation, loading, and dumping. Control levers are to be placed for easy operation and maintenance.

Reservoir (capacity)34 gallons
Pump (output).....9.5 gallons/min with splined shaft
Motor (capacity)38 cubic inch, 3 piece self centering, keyless locking assembly.
Cylinders (Bore/Stroke) .Lift – 5”x15”, Load – (2) 2” x 16”
Components:Manually adjustable, variable speed hydraulic heat exchanger

Asphalt Drum:

Construction3/16” steel
AgitatorsMin. of 8, 3/16” steel, 235 Brinell hardened, saw-tooth design at staggered heights
RotationHydraulic, reversible, adjustable speed (op. range of 8-10 rpm)
Support Casters.....Min. of (4) four 3”x 8” forged steel, 1.25” precision tapered roller bearings rated capacity of 14,000 lbs
Thrust Casters.....Single 3”x 6” forged steel, 1.25” precision tapered roller bearings rated capacity of 12,000 lbs

Heating System:

FuelNo. 1 or No. 2 diesel, B-5 bio-diesel
BurnerBeckett model SDC (or approved equal)
Burner Output.....700,000 BTU min.

Electrical System:

Battery12V maintenance free
Charging40 amp alternator with backup thru vehicle charging system
Engine control panelKeyed switch, speed selector switch, hour meter, push button emergency stop

DIMENSIONS & WEIGHT:

Max Length24’-0”
Max Width8’-6”
Max Height.....9’-6” (travel position)
Max Weight.....10,000 lbs

TRAILER:

GVWR9,950 lbs
Axles.....Dual 7,000 lbs.
Brakes.....Electric on all four wheels with breakaway kit
TiresSt235/80R16 rated for 3,500 lbs
Hitch3" ID pintle adjustable from 18" to 30" height
Jack Stand.....swivel mount with side crank
OtherTrailer to be complete with fenders, paint, safety chains, etc.

DELIVERY

Delivery shall be made to the Town of Simsbury Highway Garage, 66 Town Forest Road, Simsbury, Connecticut, complete and ready for use. Please state your guaranteed delivery date in space provided on proposal sheet. Delivery date shall be a factor in analyzing recommendations for purchase of various equipment.

As the Town is interested in the purchase of equipment that the dealer may have on hand at present, it would be willing to waive some minor portions of the specifications, if this be the case. Please indicate if immediate delivery is available on the bid, and note all variations from the specifications on a separate sheet attached to the Bid Proposal.

WARRANTY

The Manufacturer warrants its products for a minimum of one (1) year after the date of delivery to the initial user. This warranty is limited to the repair or replacement, as the Manufacturer may elect, at one of its factories designated by it, of such parts as shall appear to the Manufacturer upon inspection to have been defective in material or workmanship; this includes any installation or transportation costs. State warranty period if over one year, on the Bid Form.

DEMONSTRATION

Bidders may be asked to demonstrate their equipment as part of the bid evaluation.

BID SHEET
PORTABLE ASPHALT RECYCLING MACHINE
TOWN OF SIMSBURY

BIDDER:

Company: _____

Address: _____

Street

Town

Zip code

Contact: _____

Name

Phone

BID:

BID PRICE

Portable Asphalt Recycling Machine per specifications: \$ _____

Delivery Date: _____

Exceptions/Variations from specifications, if any: _____

Warranty/Service: The warranty included with this equipment includes: _____

The undersigned agrees to furnish and deliver said equipment according to the specifications, complete and ready for service, at the price bid, as indicated.

Authorized Signature: _____

Printed Name: _____